KÖNIG ELECTRONIC

TV FIELD STRENGTH METER

APM 740 FM

SERVICE MANUAL

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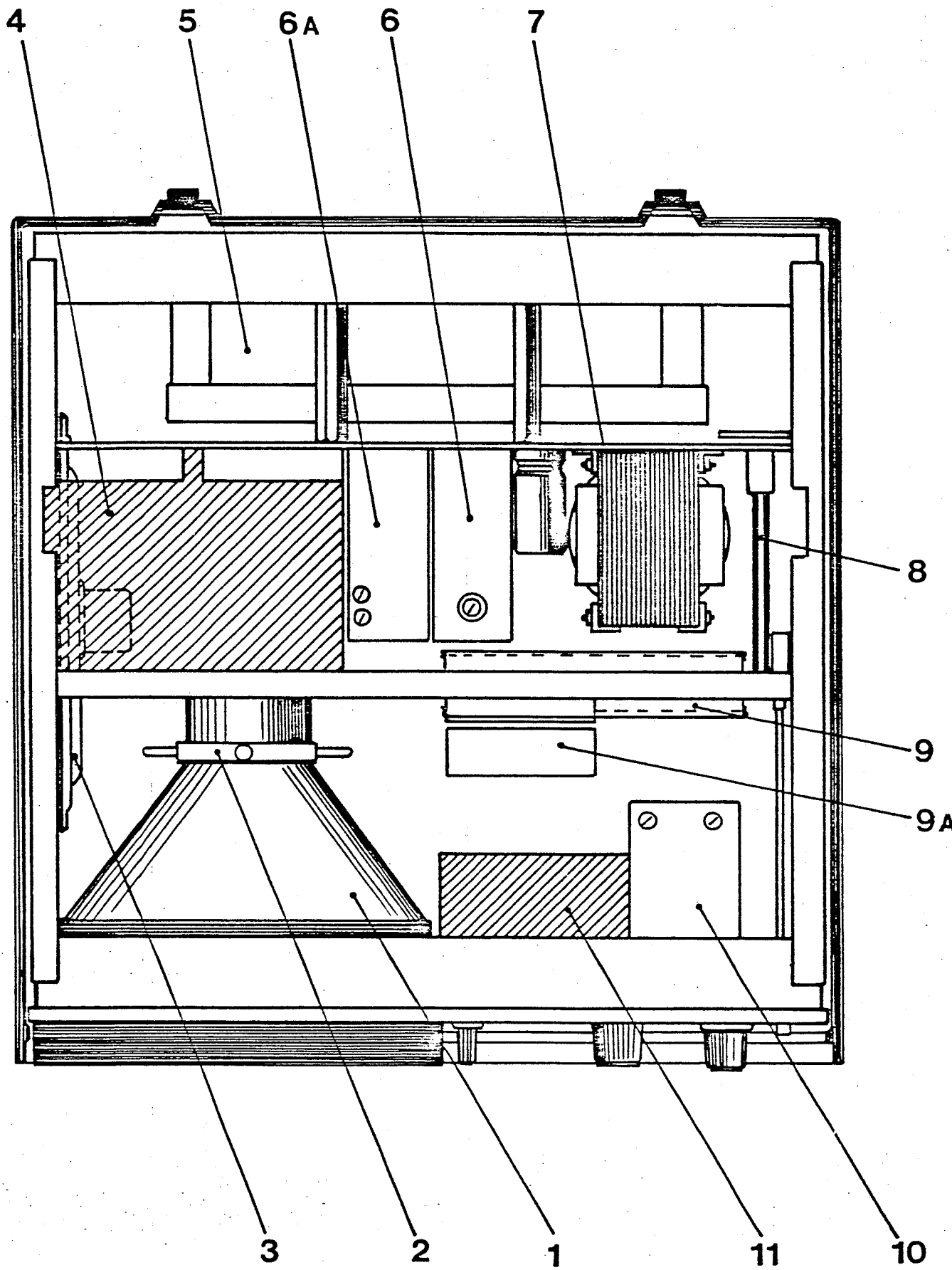
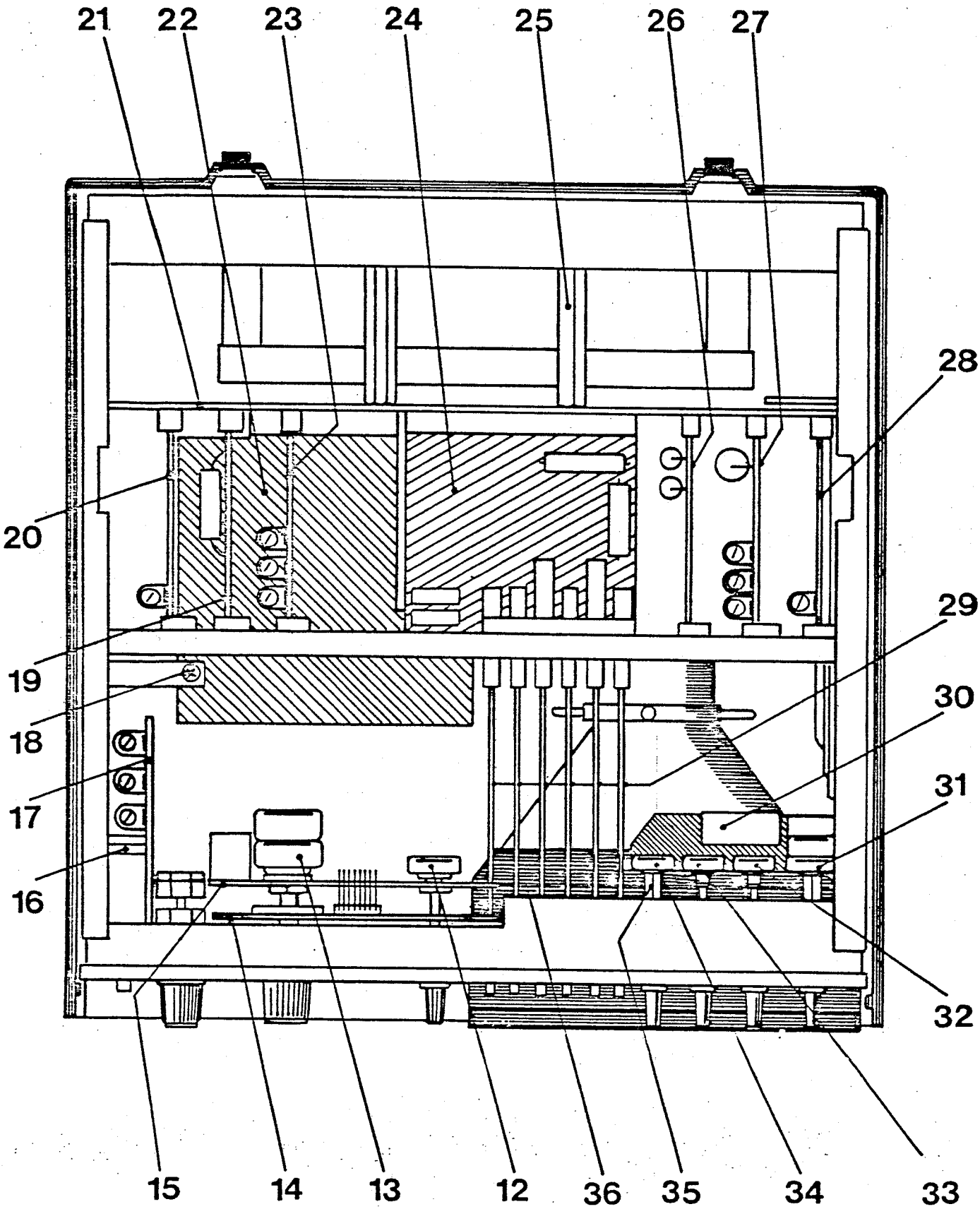
TOP VIEW



BOTTOM VIEW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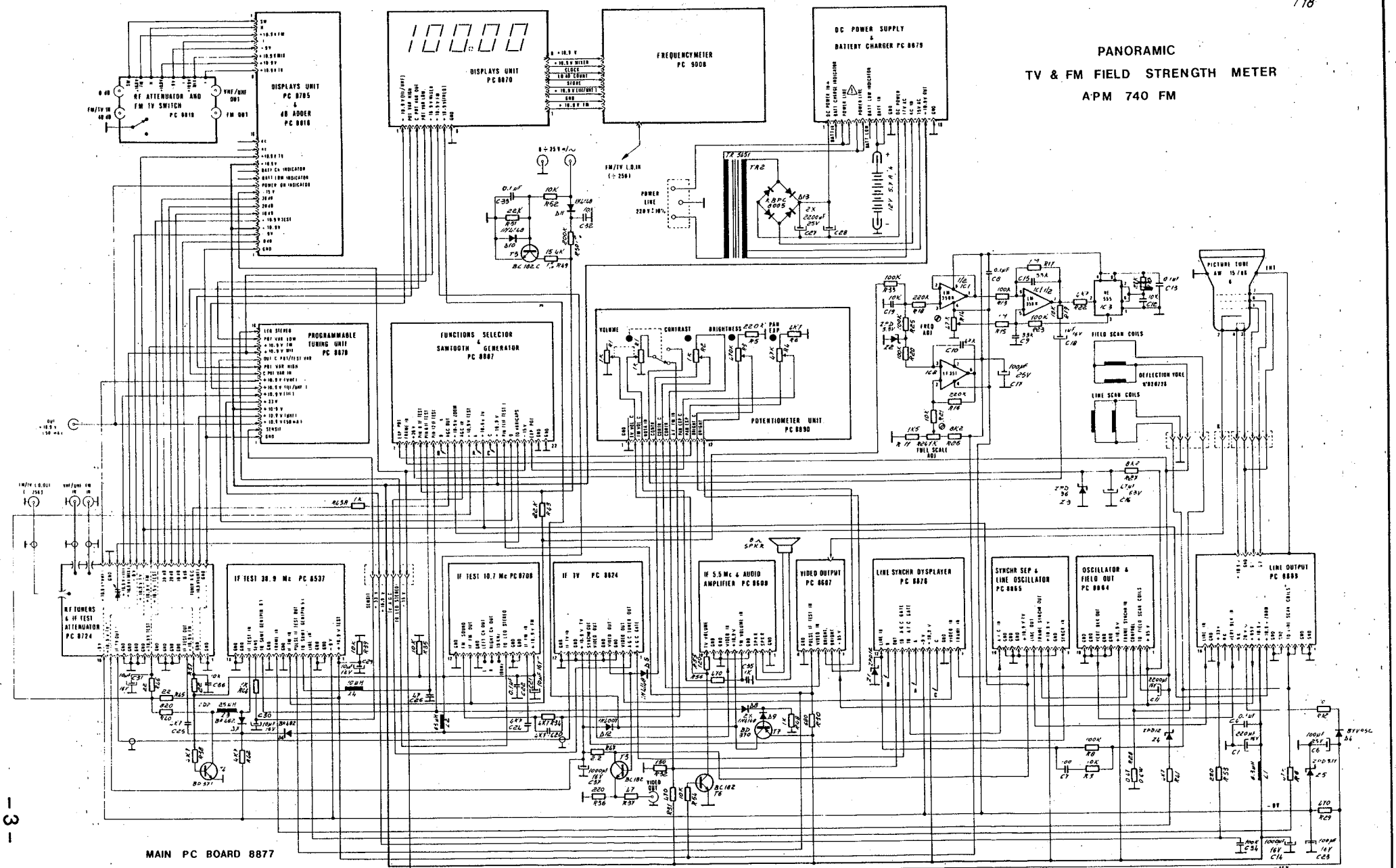
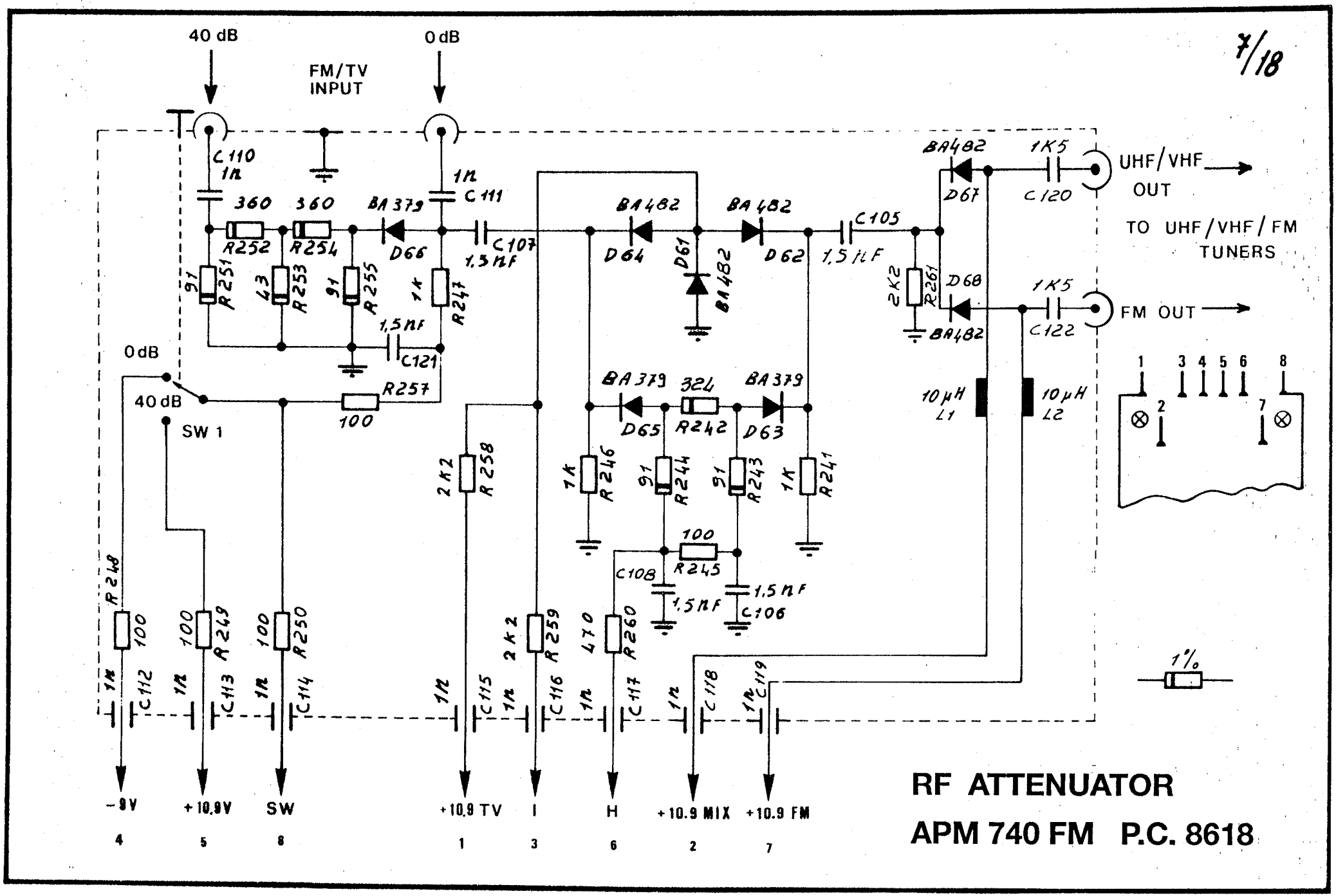
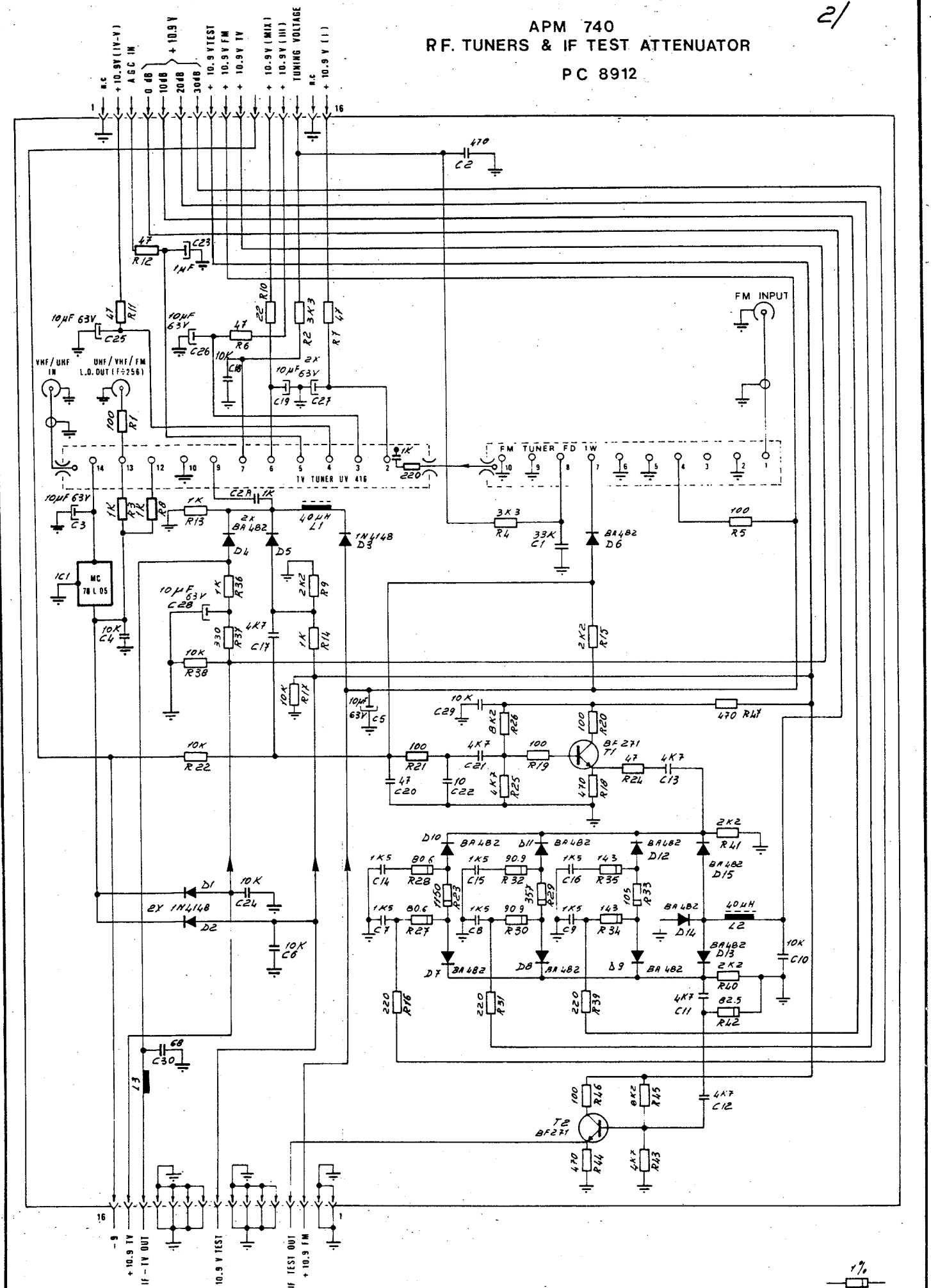
PANORAMIC
TV & FM FIELD STRENGTH METER
A·P·M 740 FM


DISPLAYS UNIT PC 8870
FREQUENCYMETER PC 9008
DC POWER SUPPLY & BATTERY CHARGER PC 8879
RF ATTENUATOR AND FM TV SWITCH PC 8818
DISPLAYS UNIT PC 8705 & dB ADDER PC 8818
PROGRAMMABLE TUNING UNIT PC 8878
FUNCTIONS SELECTOR & SAWTOOTH GENERATOR PC 8887
POTENTIOMETER UNIT PC 8890
RF TUNERS & IF TEST ATTENUATOR PC 8724
IF TEST 38.9 Mc PC 8537
IF TEST 10.7 Mc PC 8708
IF TV PC 8824
IF 5.5 Mc & AUDIO AMPLIFIER PC 8608
VIDEO OUTPUT PC 8687
LINE SYNCHR DYSPLAYER PC 8876
SYNCHR SEP & LINE OSCILLATOR PC 8865
OSCILLATOR & FIELD OUT PC 8864
LINE OUTPUT PC 8885
PICTURE TUBE AW 15/05
FIELD SCAN COILS
DEFLECTION YOKE W 820/20
LINE SCAN COILS
MAIN PC BOARD 8877


40 dB
0 dB
FM/TV INPUT
C 110 1n
1n C 111
360
360
BA 379
R252
R254
D66
C 107 1,5 nF
BA 482
D64
D61
BA 482
D62
C 105
1,5 nF
BA 482
D67
1K5
C 120
UHF/VHF OUT
TO UHF/VHF/FM TUNERS
91 R 251
43 R 253
91 R 255
1K R 247
1,5 nF C121
2K2 R 261
D 68
BA 482
1K5
C 122
FM OUT
0 dB
40 dB
SW 1
R257 100
BA 379
324 R242
BA 379
D65
D63
10 µH L1
10 µH L2
1 3 4 5 6 8
2 7
2K2 R 258
1K R 246
91 R 244
91 R 243
1K R 241
100 R 245
C 108 1,5 nF
1,5 nF C 106
R 248 100 1n C 112
100 R 249 1n C 113
100 R 250 1n C 114
1n C 115
2K2 R 259 1n C 116
470 R 260 1n C 117
1n C 118
1n C 119
1%
-9V
+10,9V
SW
+10,9 TV
I
H
+10,9 MIX
+10,9 FM
4
5
8
1
3
6
2
7
RF ATTENUATOR
APM 740 FM P.C. 8618

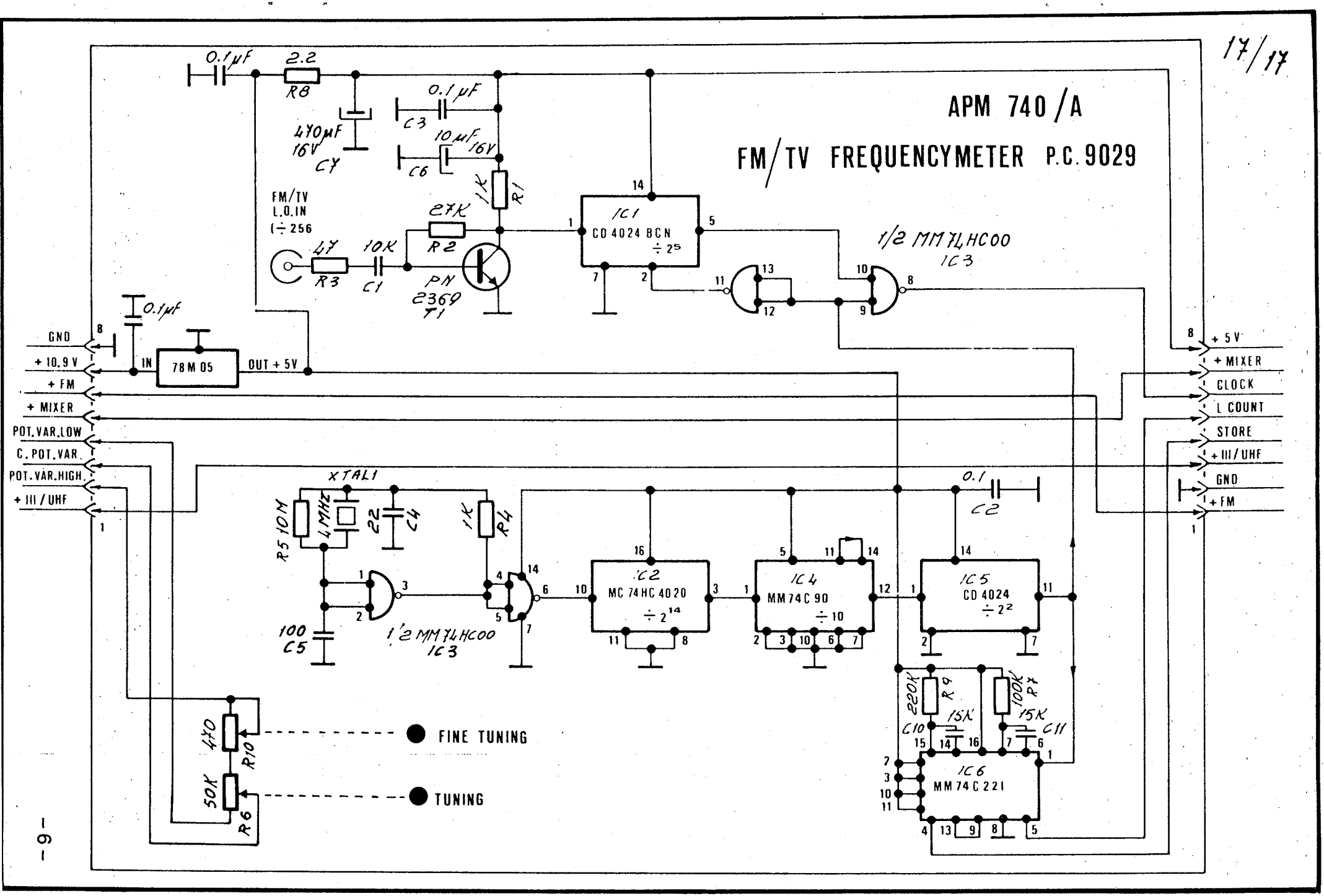
APM 740
R.F. TUNERS & IF TEST ATTENUATOR
P C 8912



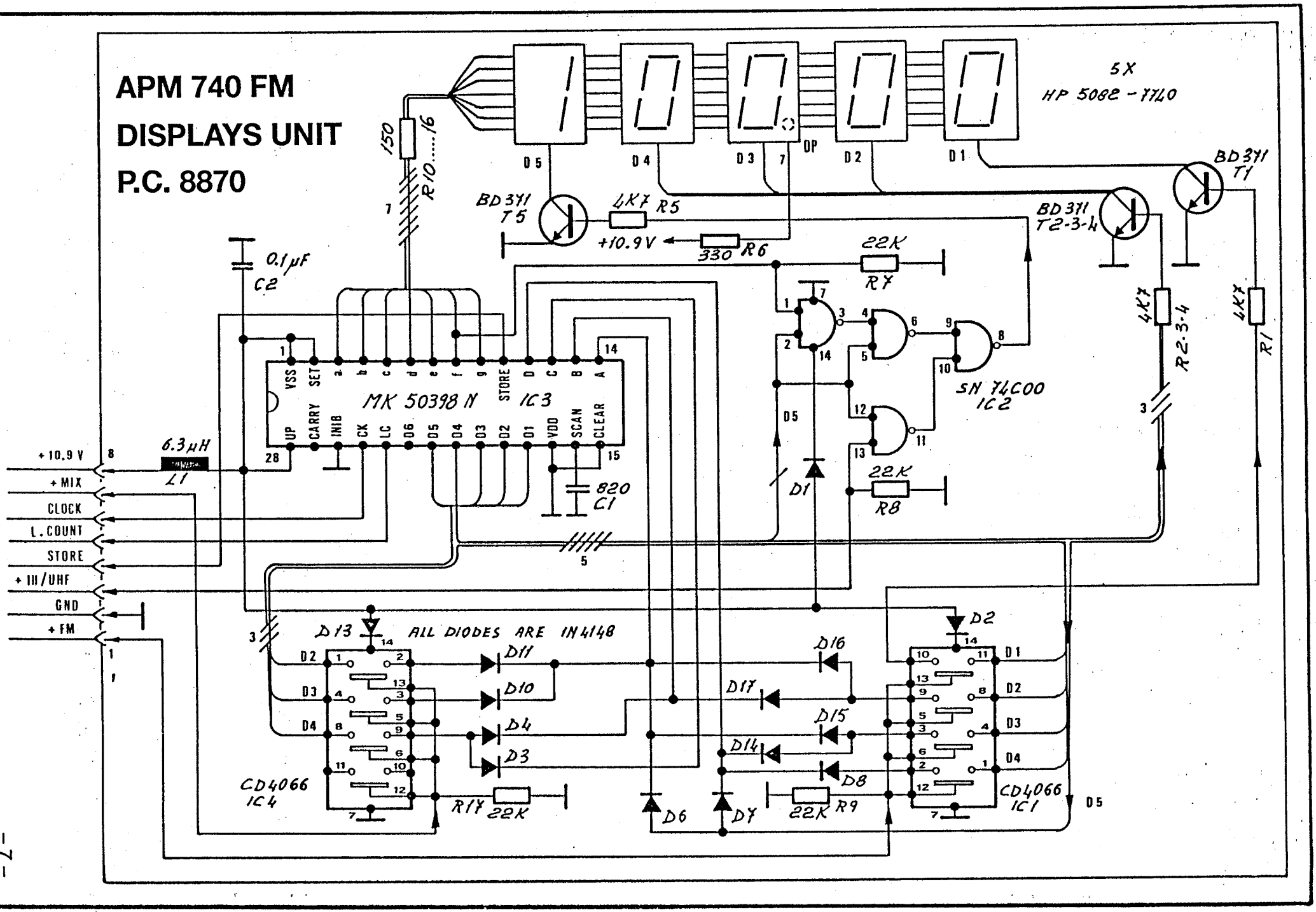
1%

APM 740/A

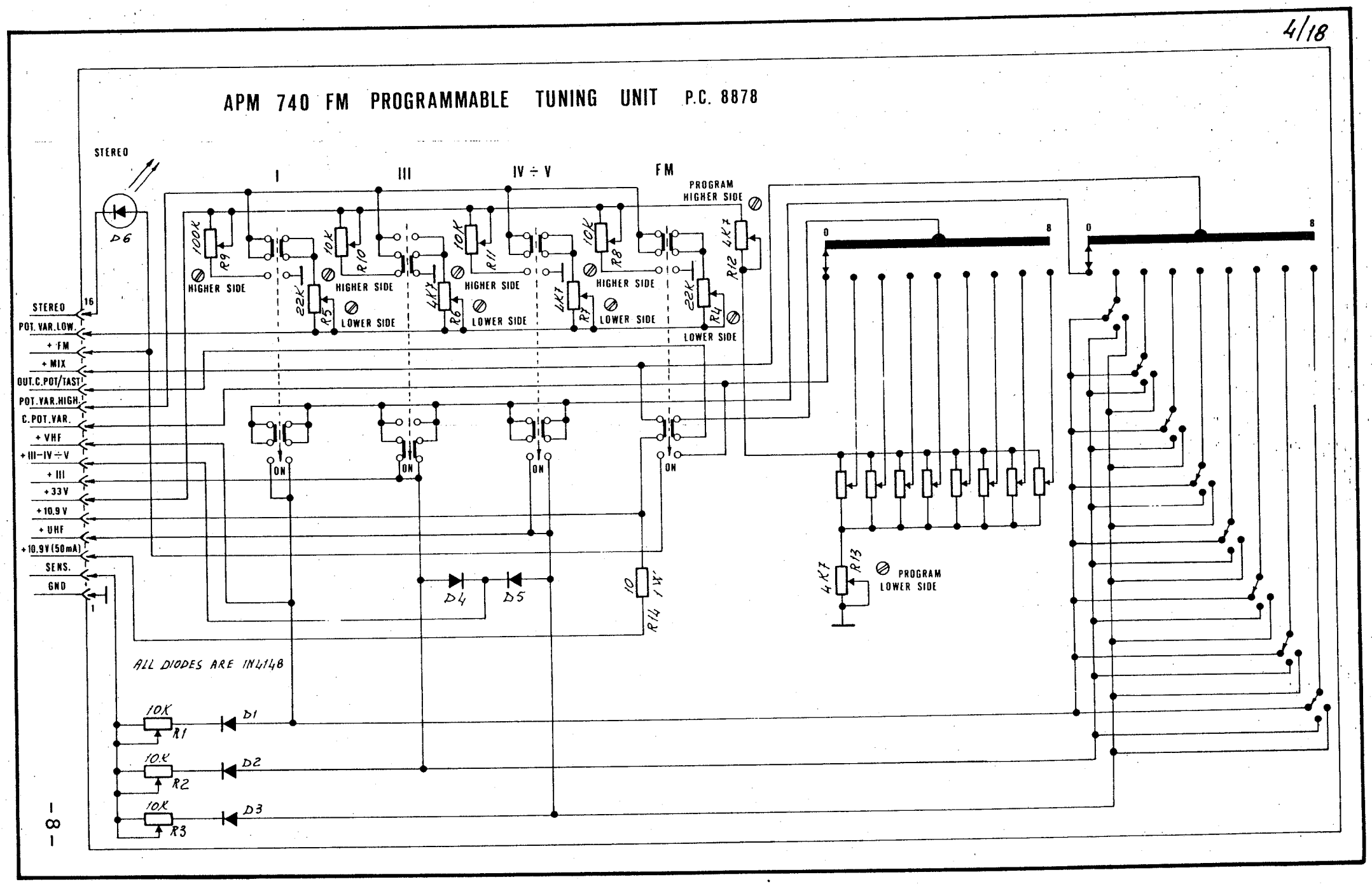
FM/TV FREQUENCYMETER P.C. 9029



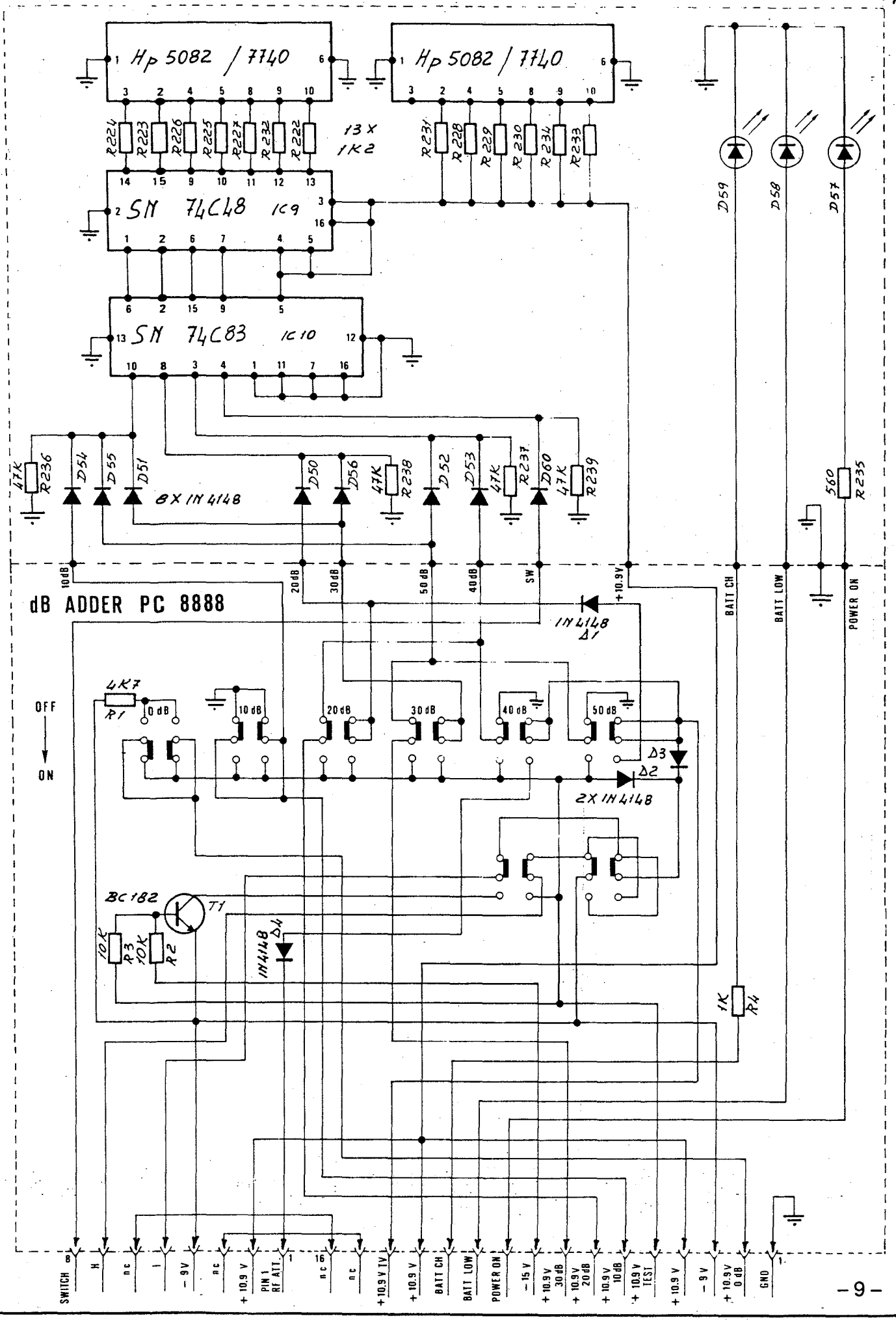
APM 740 FM
DISPLAYS UNIT
P.C. 8870

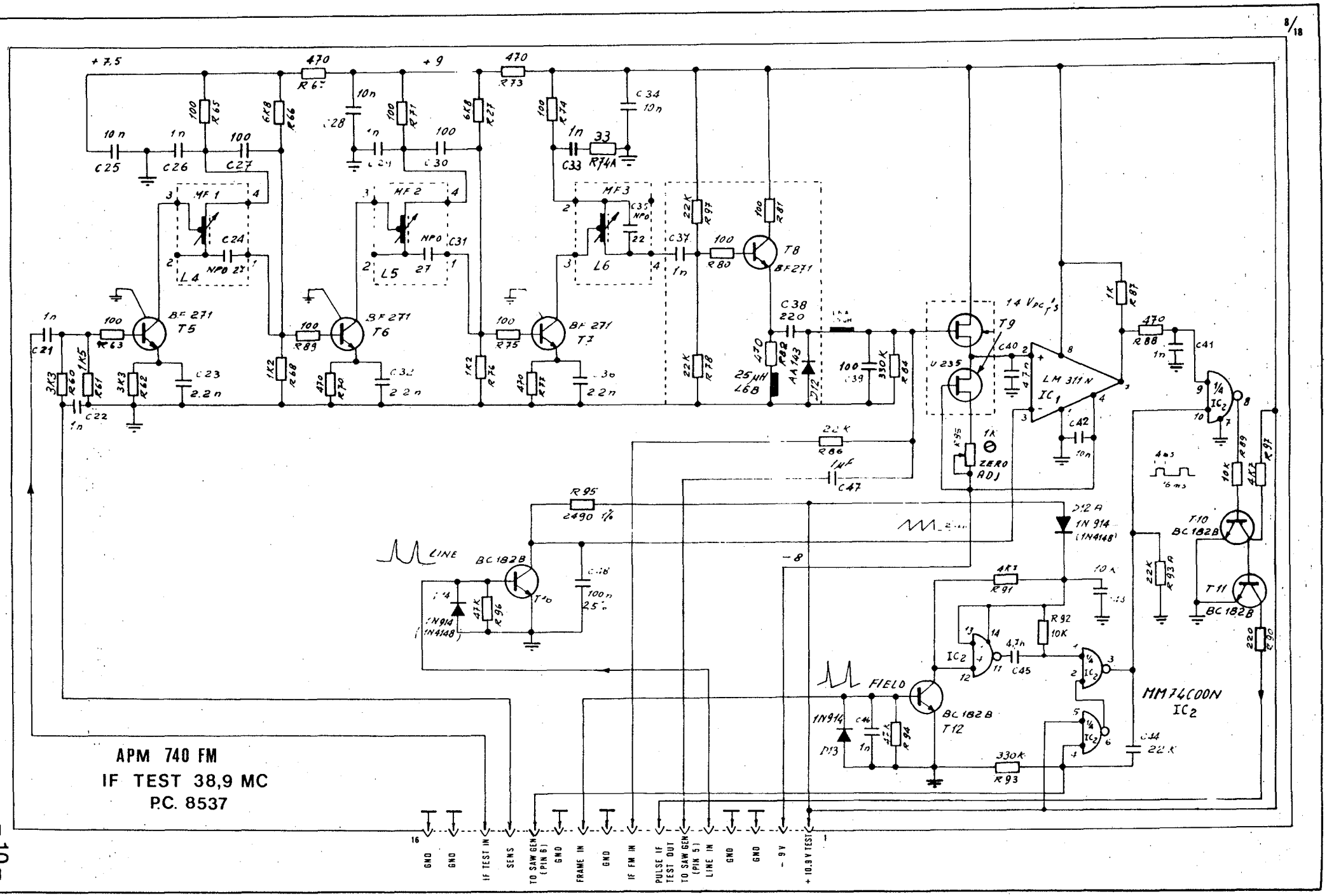


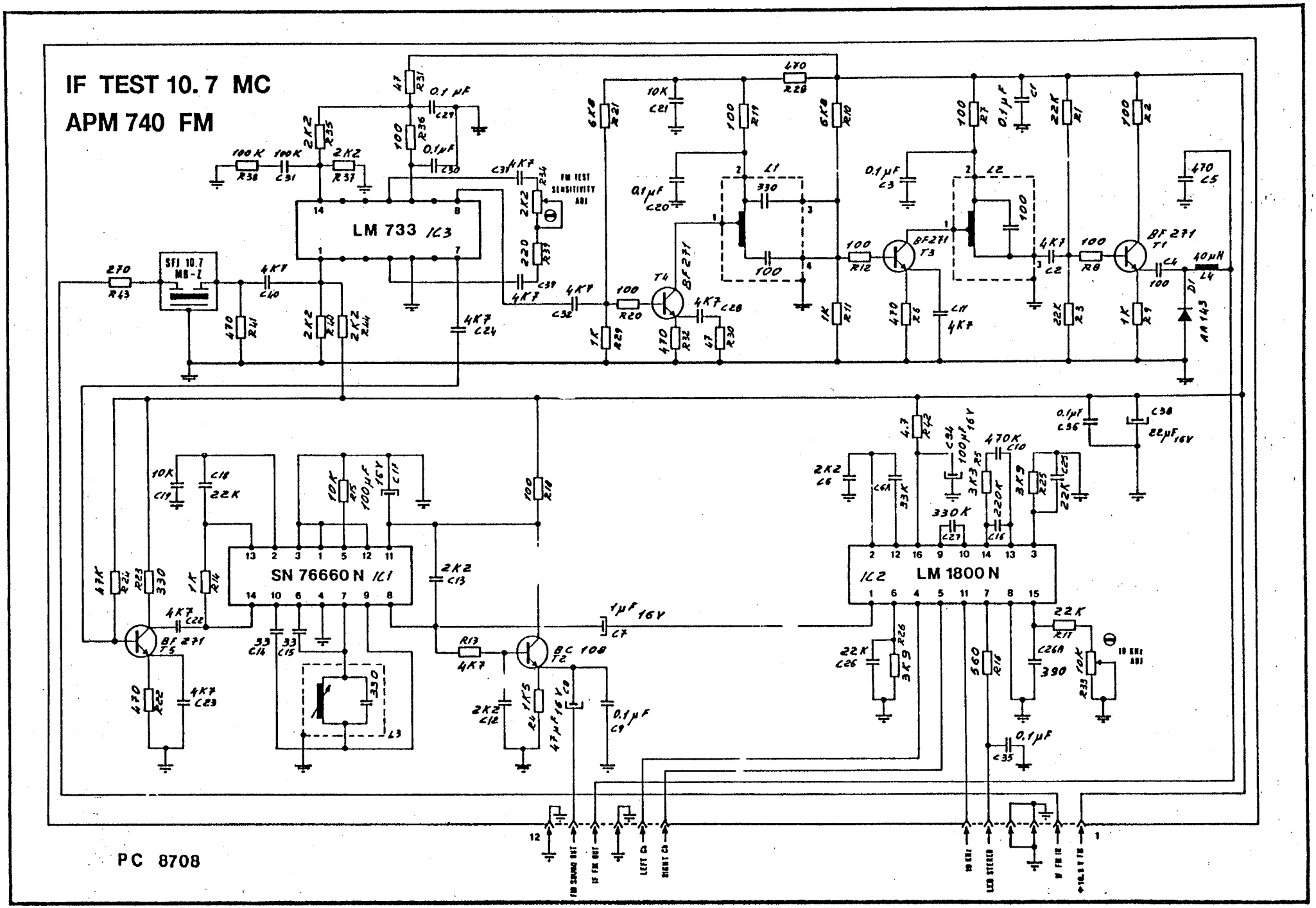
APM 740 FM PROGRAMMABLE TUNING UNIT P.C. 8878

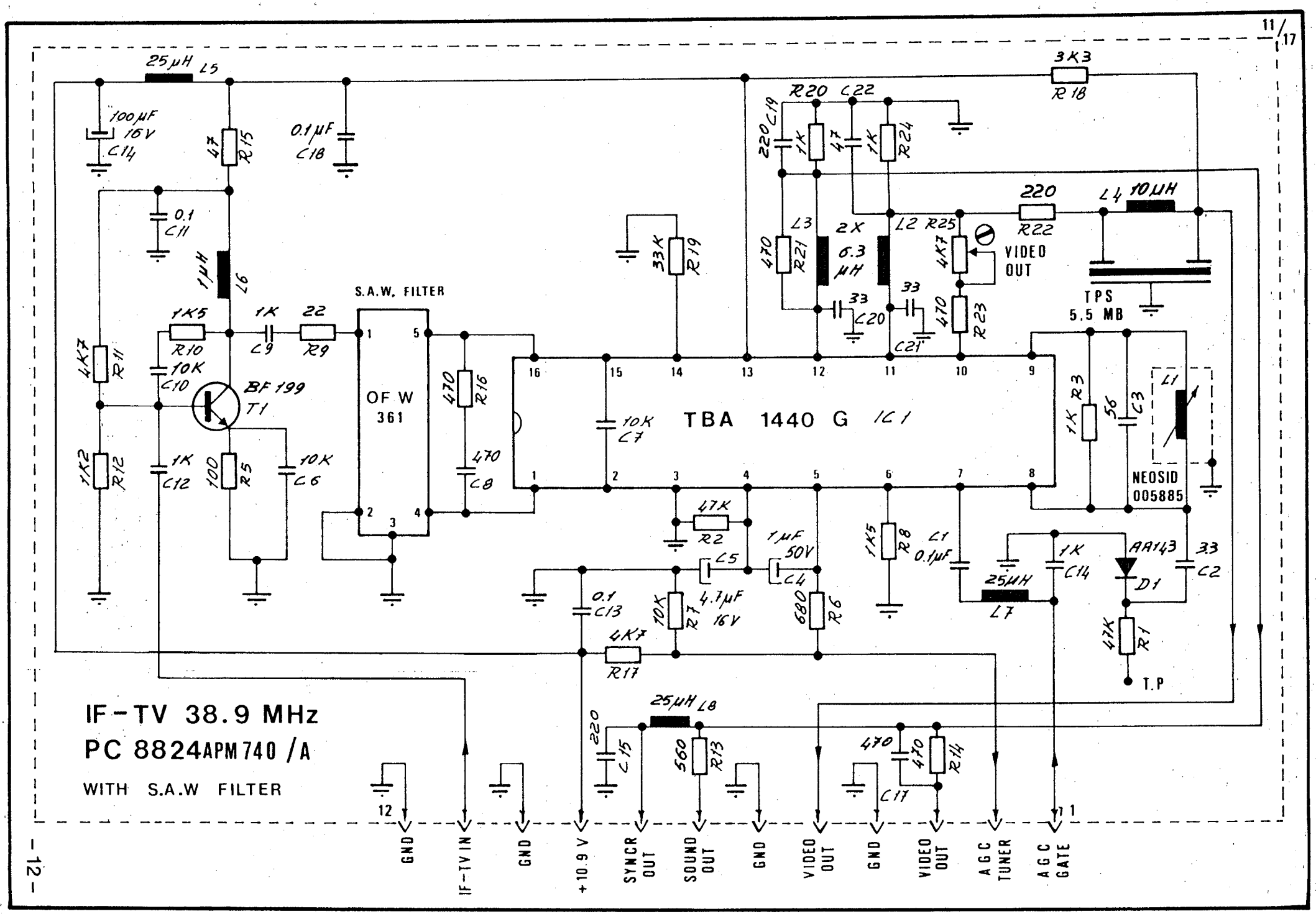


APM 740/A DISPLAYS UNIT PC 8705




APM 740 FM
IF TEST 38,9 MC
P.C. 8537
MM74C00N
IC2
LM 311 N
IC1
BC 182B
BF 271
LINE
FIELD
ZERO ADJ
GND
IF TEST IN
SENS
TO SAW GEN (PIN 6)
FRAME IN
IF FM IN
PULSE IF TEST OUT
TO SAW GEN (PIN 5)
LINE IN
- 9 V
+ 10.8 V TEST


IF TEST 10.7 MC
APM 740 FM
LM 733 IC3
SFJ 10.7 MB-L
SN 76660 N IC1
IC2 LM 1800 N
BF 271 T1
BF 271 T3
BF 271 T4
BF 271 T5
BC 108 T2
L1
L2
L3
L4
D1 AA 143
FM TEST SENSITIVITY ADJ
10 KHz ADJ
PC 8708

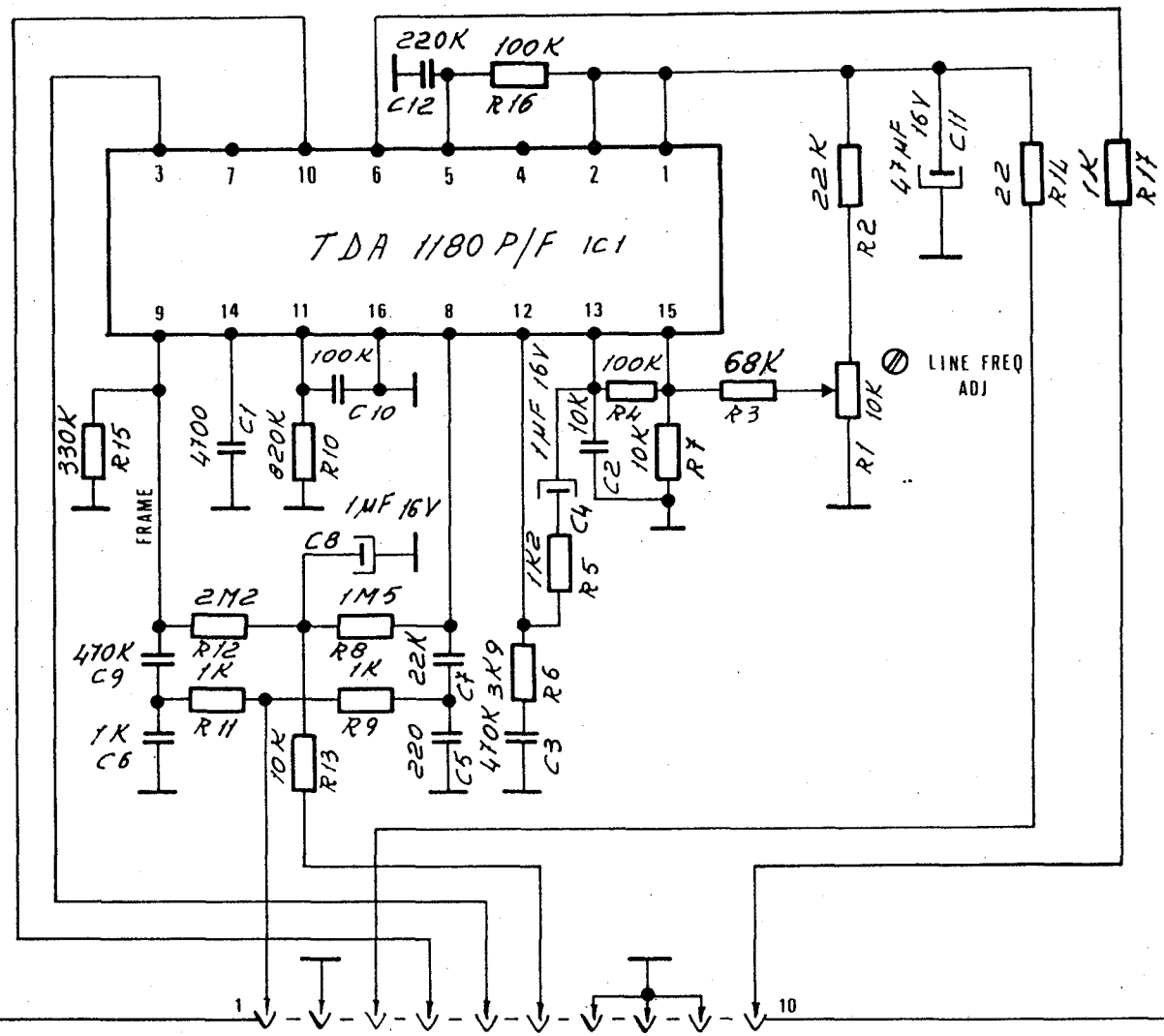


IF-TV 38.9 MHz

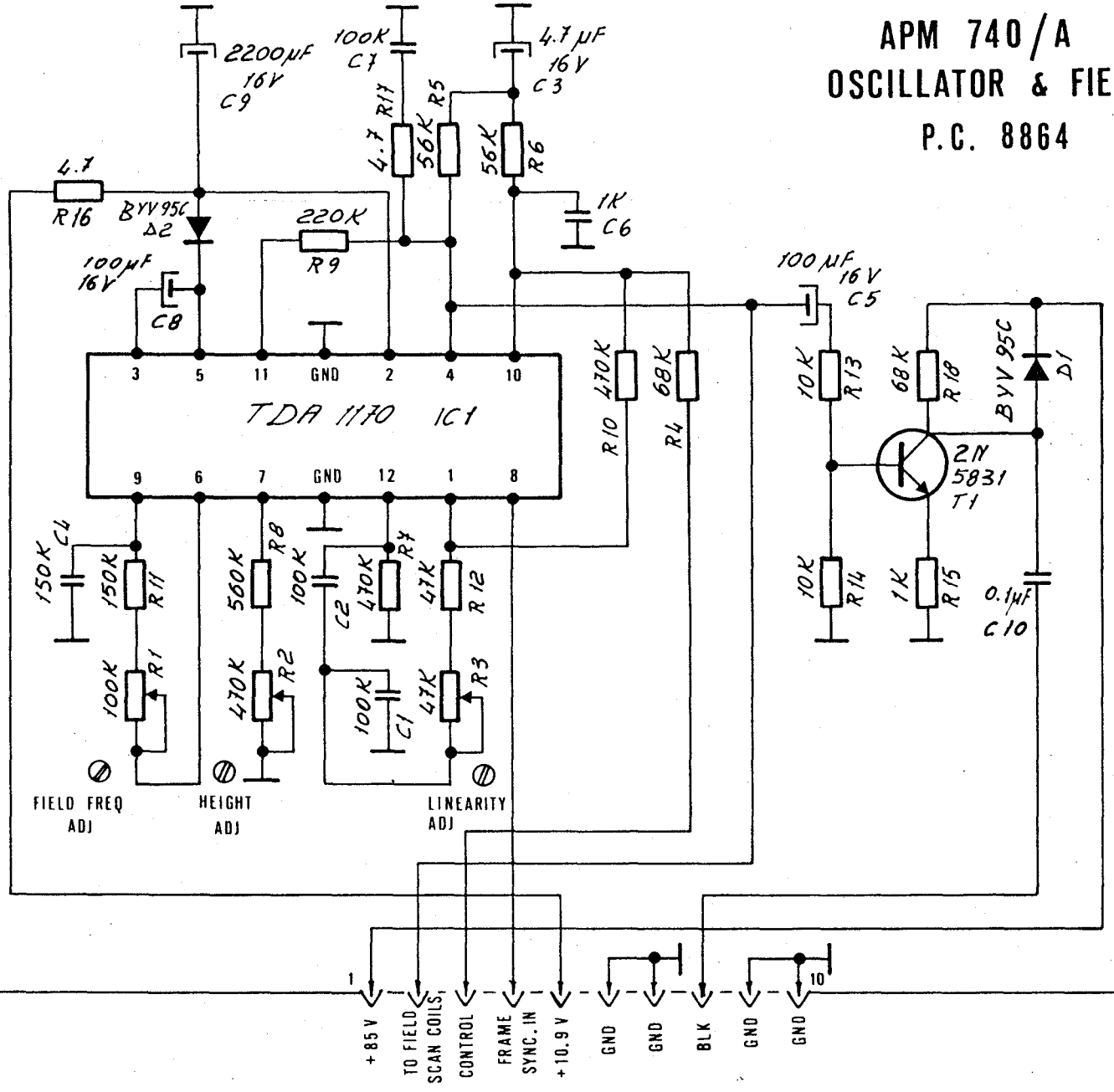
PC 8824APM740 /A

WITH S.A.W FILTER

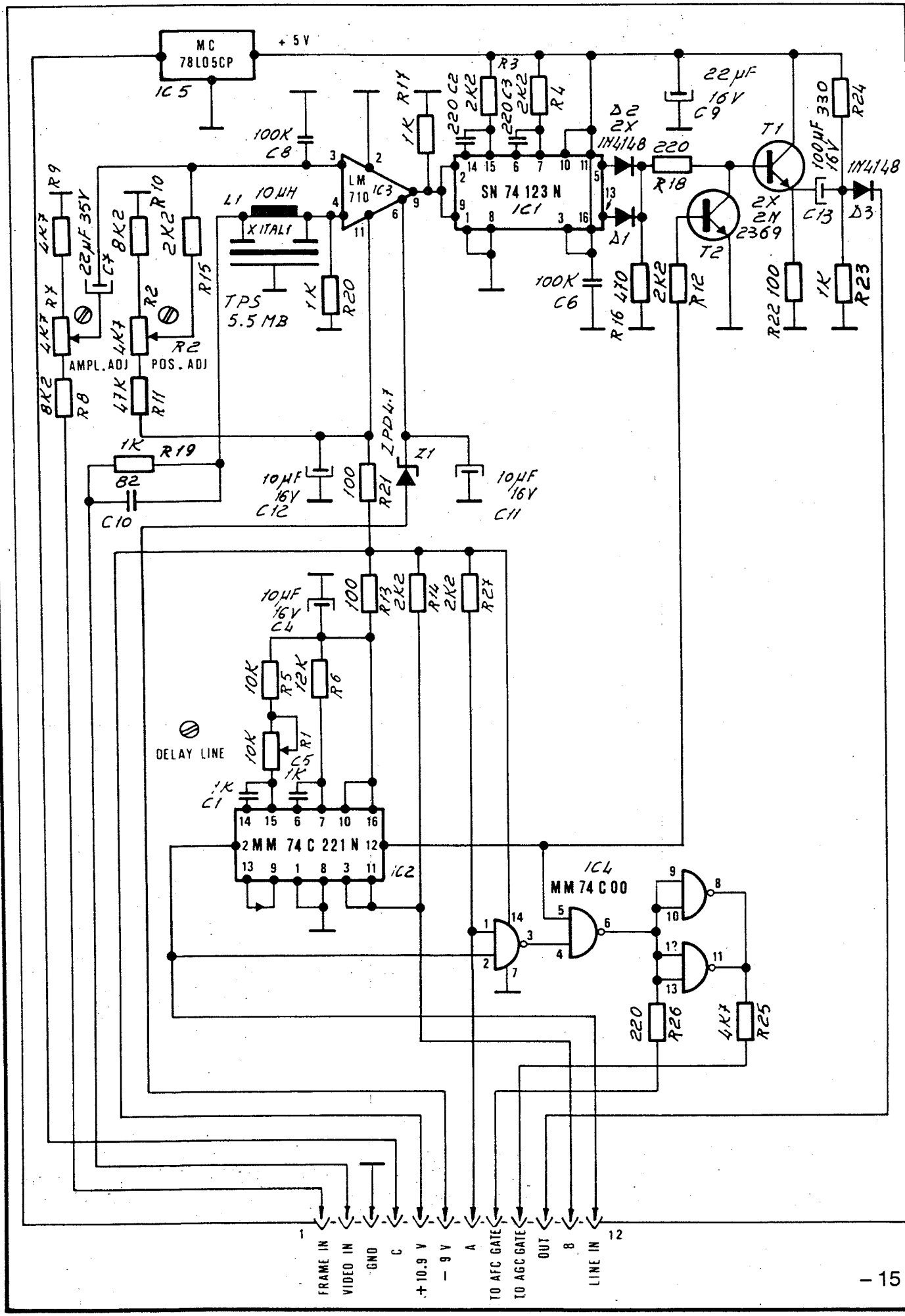
APM 740/A SYNCHR SEP & LINE OSCILLATOR P.C. 8865



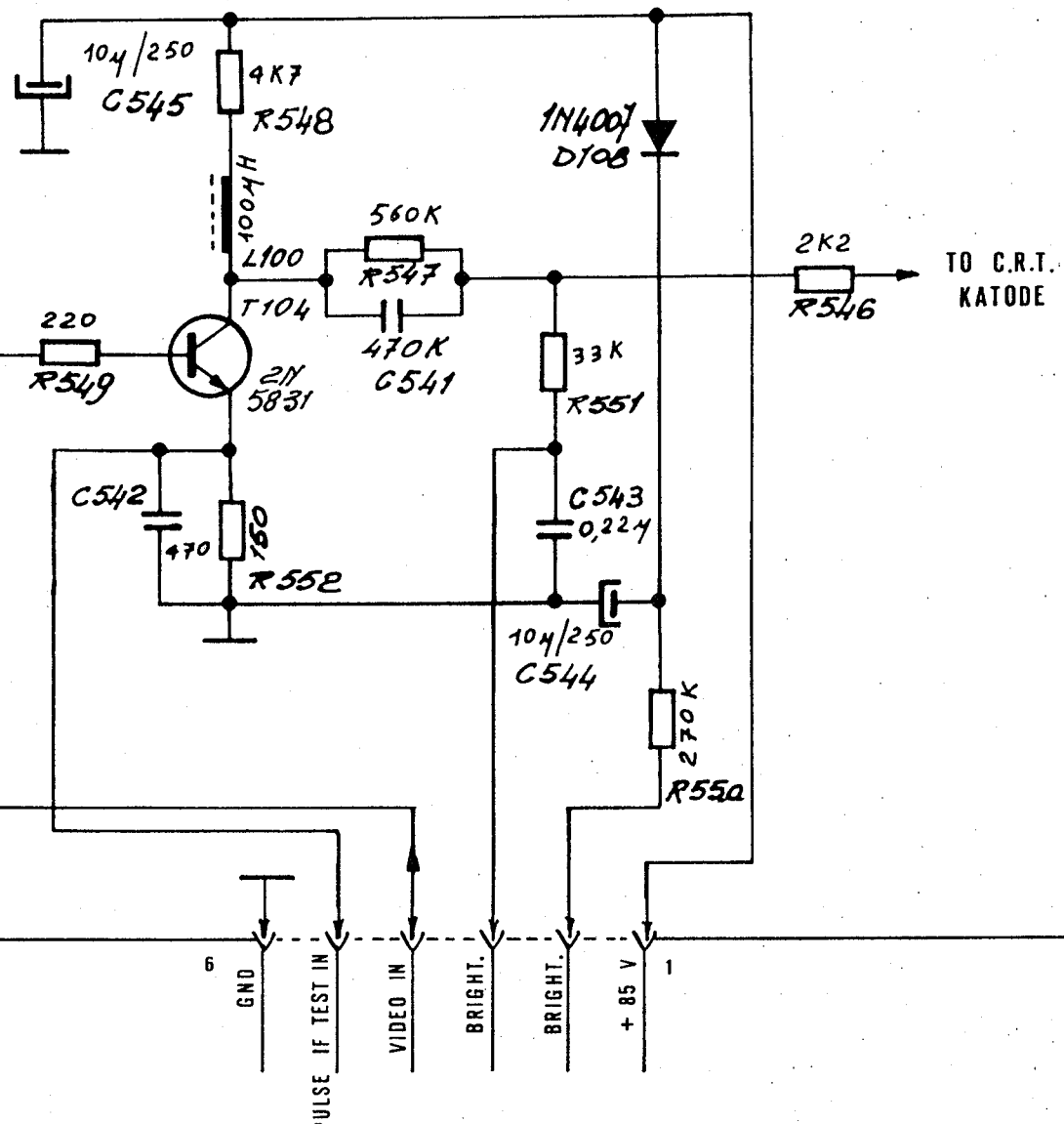
APM 740/A
OSCILLATOR & FIELD OUT
P.C. 8864



APM 740/A LINE SYNCHR DISPLAYER P.C. 8876

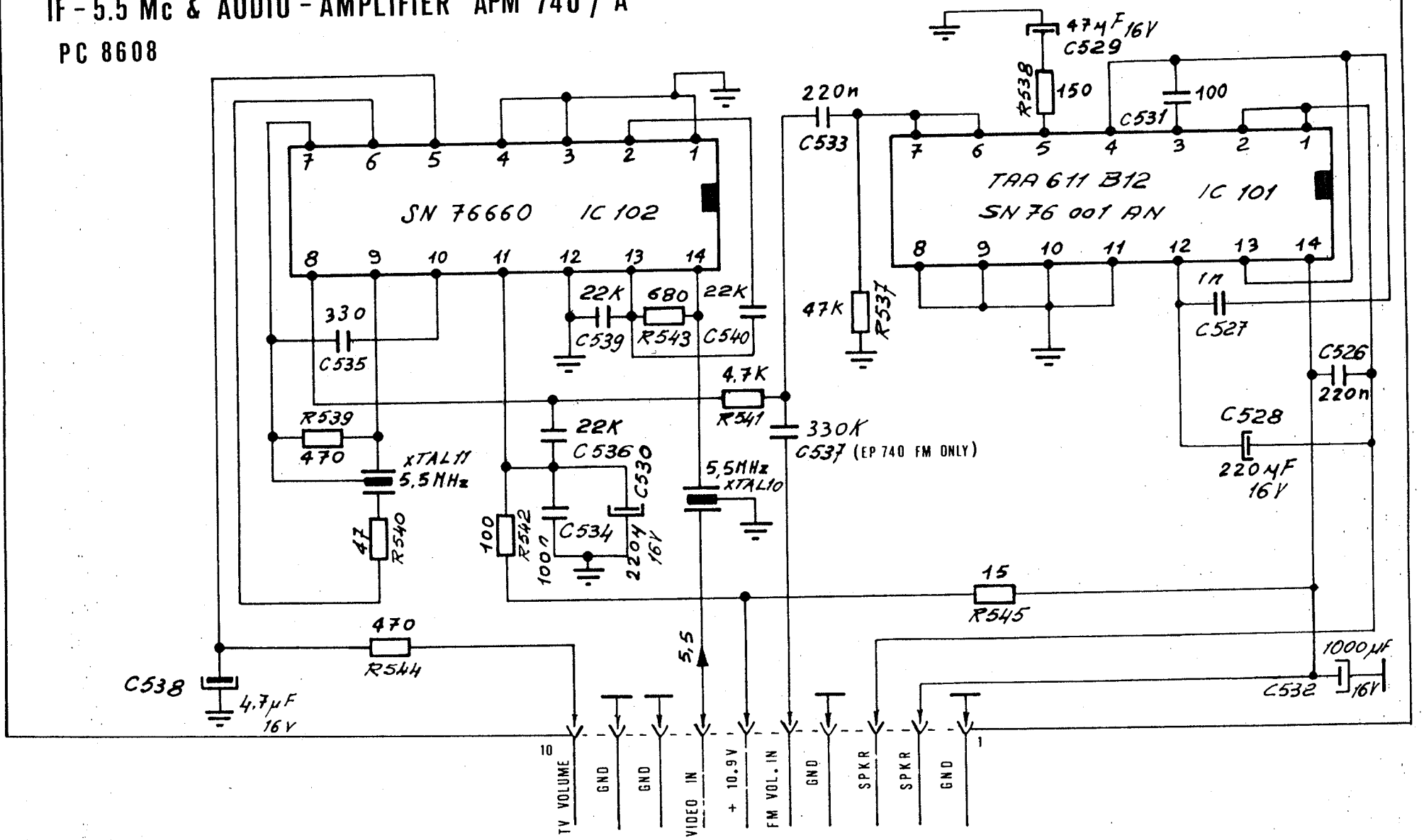


APM 740 / A
VIDEO - OUTPUT
PC 8607

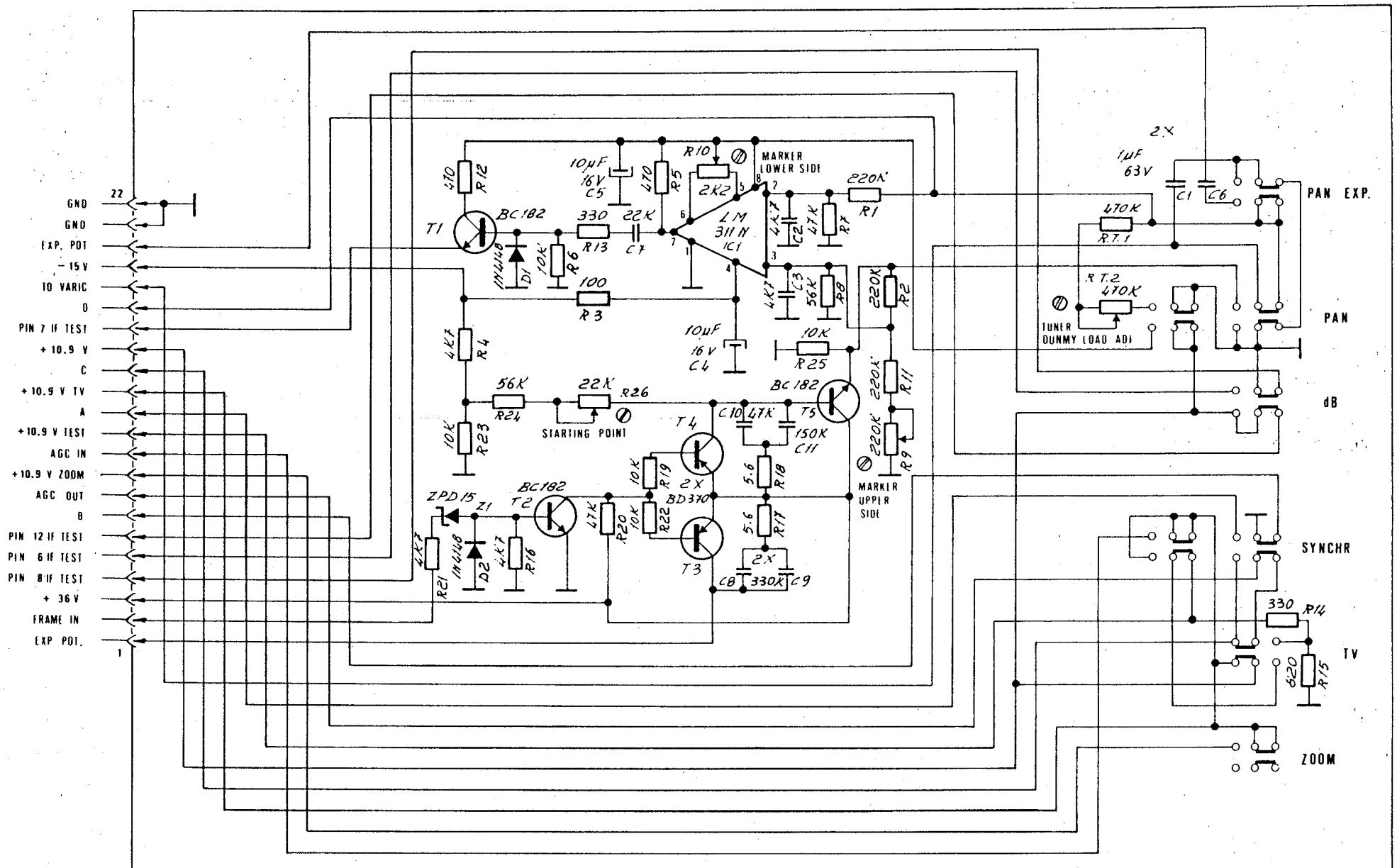


IF - 5.5 Mc & AUDIO - AMPLIFIER APM 740 / A

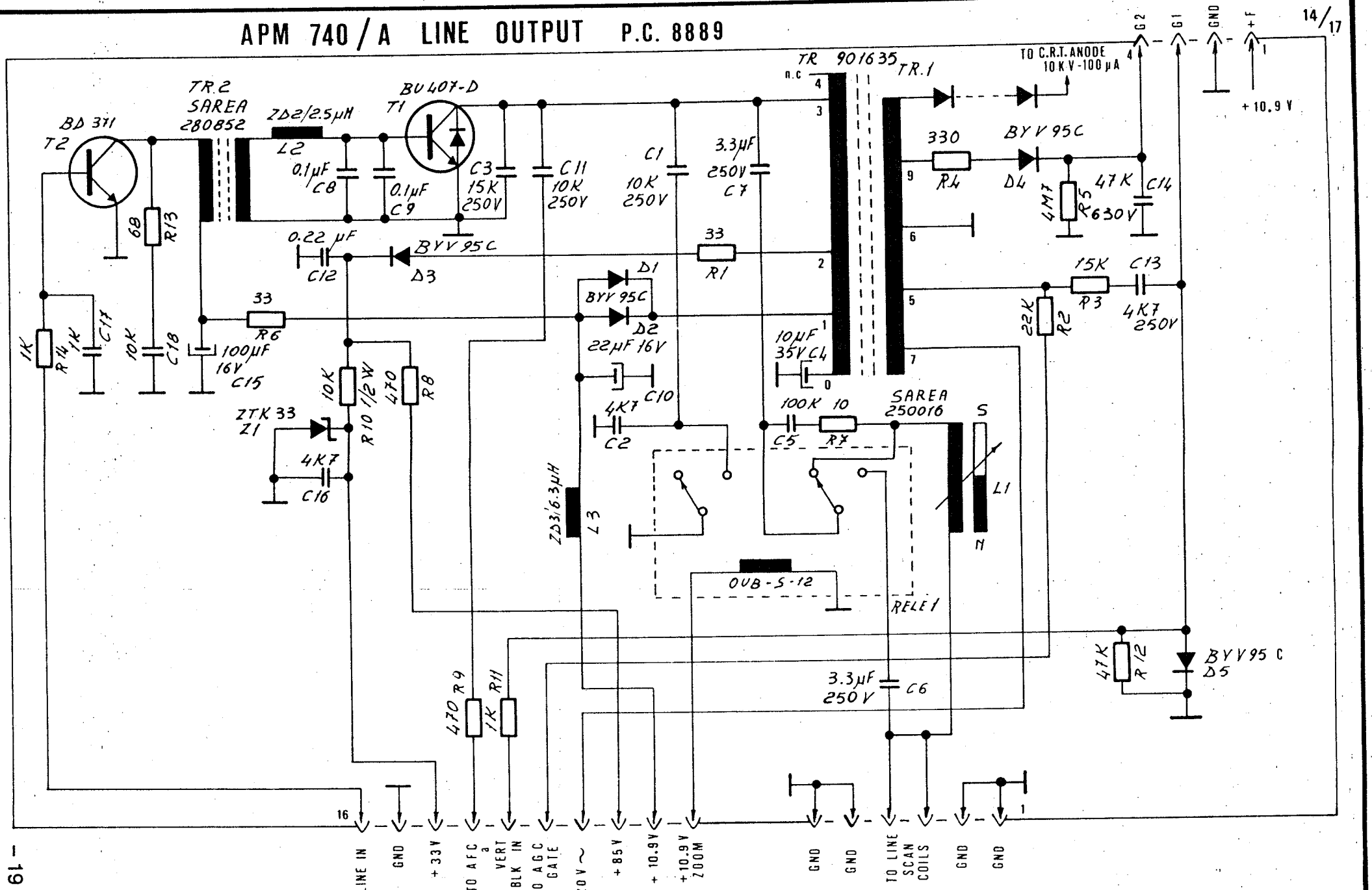
PC 8608

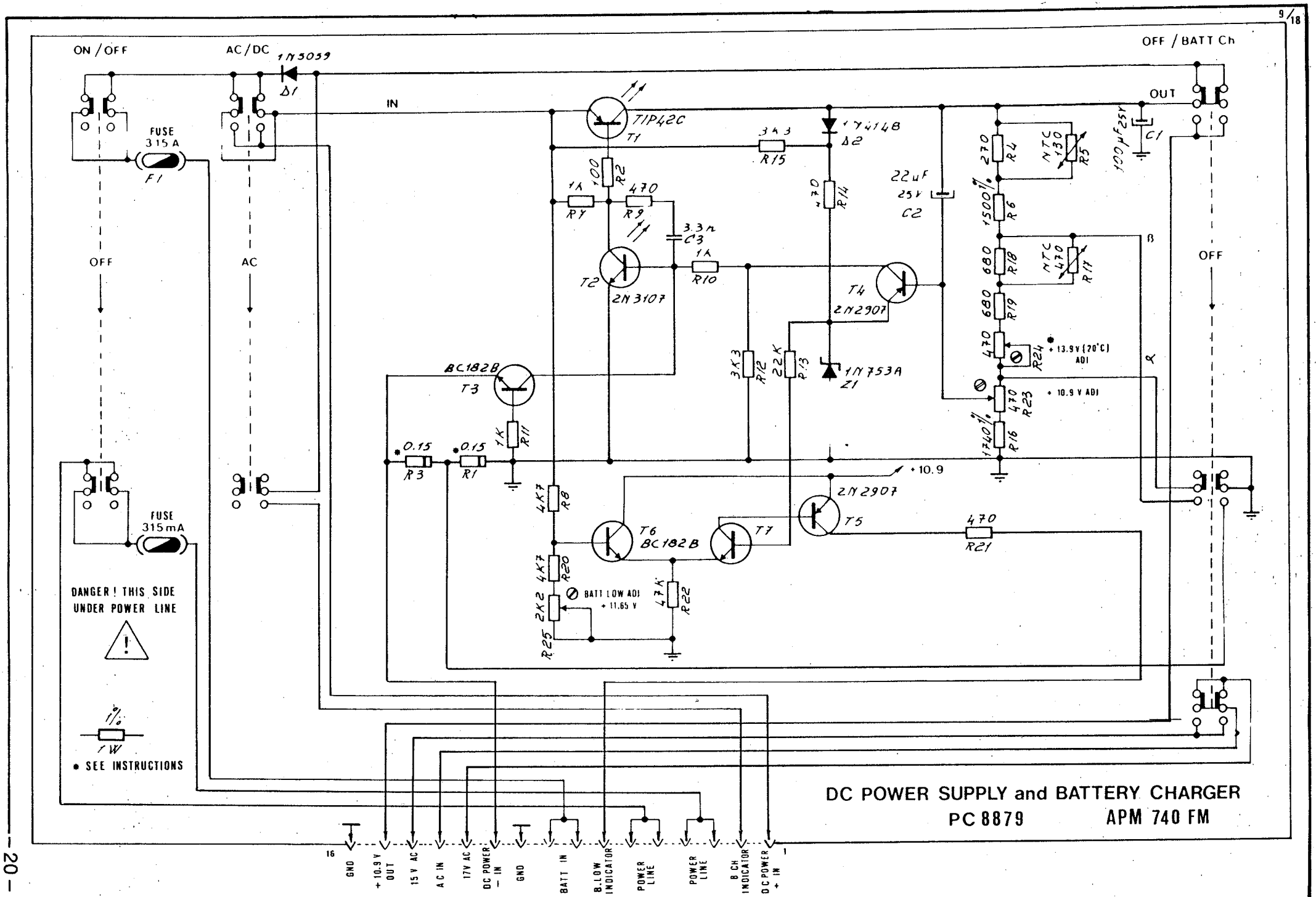


APM 740/A FUNCTIONS SELECTOR & SAWTOOTH GENERATOR P.C. 8887



APM 740 / A LINE OUTPUT P.C. 8889




ON / OFF
AC / DC
1N3039
D1
IN
OUT
OFF / BATT Ch
FUSE 315 A
F1
TIP42C
T1
1N4148
D2
3K3
R15
100
R2
1K
R7
470
R9
3.3n
C3
T2
2N3107
1K
R10
470
R14
22uF 25V
C2
270
R4
NTC 130
R5
100µF25V
C1
1500
R6
680
R18
NTC 470
R17
680
R19
470
R24
+13.9V (20°C) ADJ
470
R23
+10.9 V ADJ
1740
R16
T4
2N2907
3K3
R12
22K
R13
1N753A
Z1
BC182B
T3
1K
R11
0.15
R3
0.15
R1
4K7
R8
+10.9
2N2907
T5
470
R21
T6
BC182B
T7
4K7
R20
2K2
R25
BATT LOW ADJ
+11.65 V
47K
R22
OFF
AC
FUSE 315mA
DANGER ! THIS SIDE UNDER POWER LINE
1/2 W
* SEE INSTRUCTIONS
16
GND
+10.9 V OUT
15 V AC
AC IN
17V AC
DC POWER — IN
GND
BATT IN
B.LOW INDICATOR
POWER LINE
POWER LINE
B CH INDICATOR
DC POWER + IN
1
DC POWER SUPPLY and BATTERY CHARGER
PC 8879
APM 740 FM